



2013 – 2014
Research Report to
UKRF Board of Directors

Lisa A. Cassis, PhD

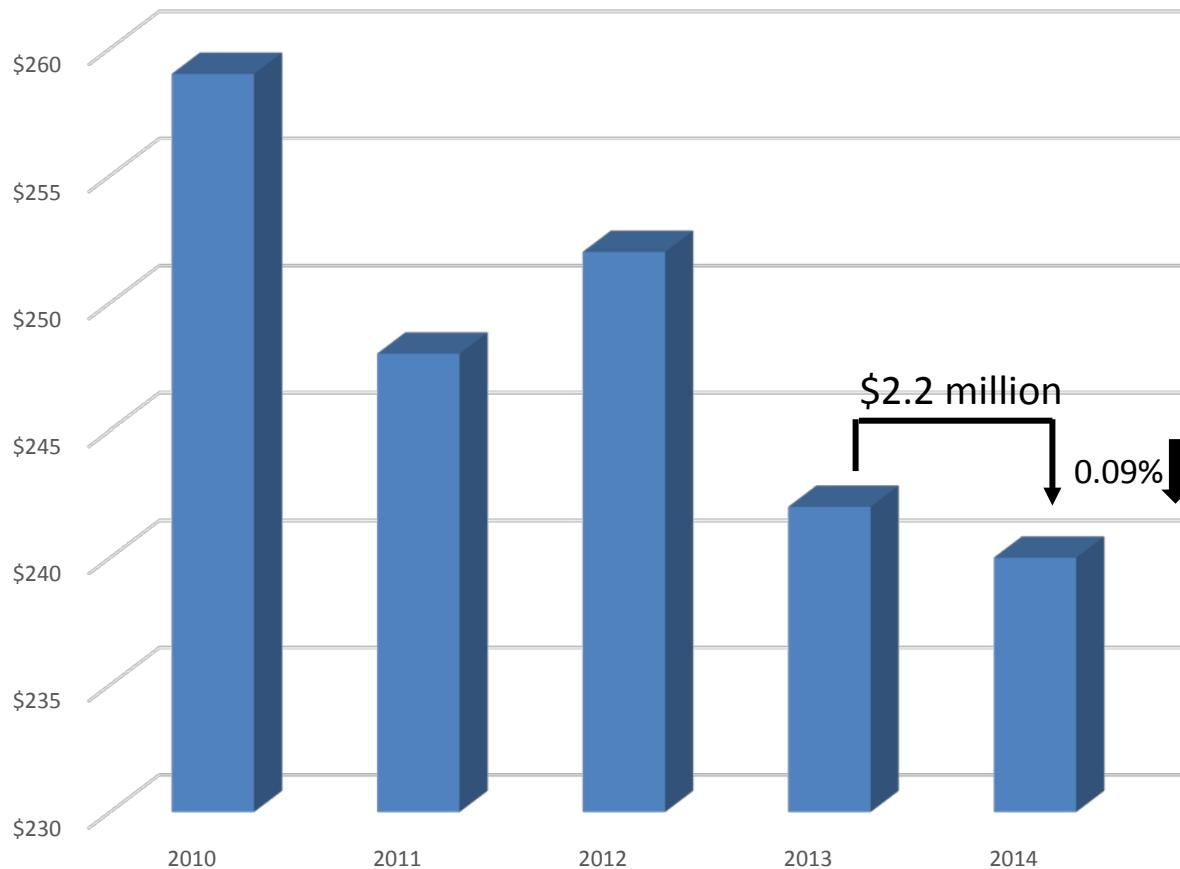
Professor, Department of Pharmacology
and Nutritional Sciences

Interim Vice President for Research

Funding Rankings: How are we doing?

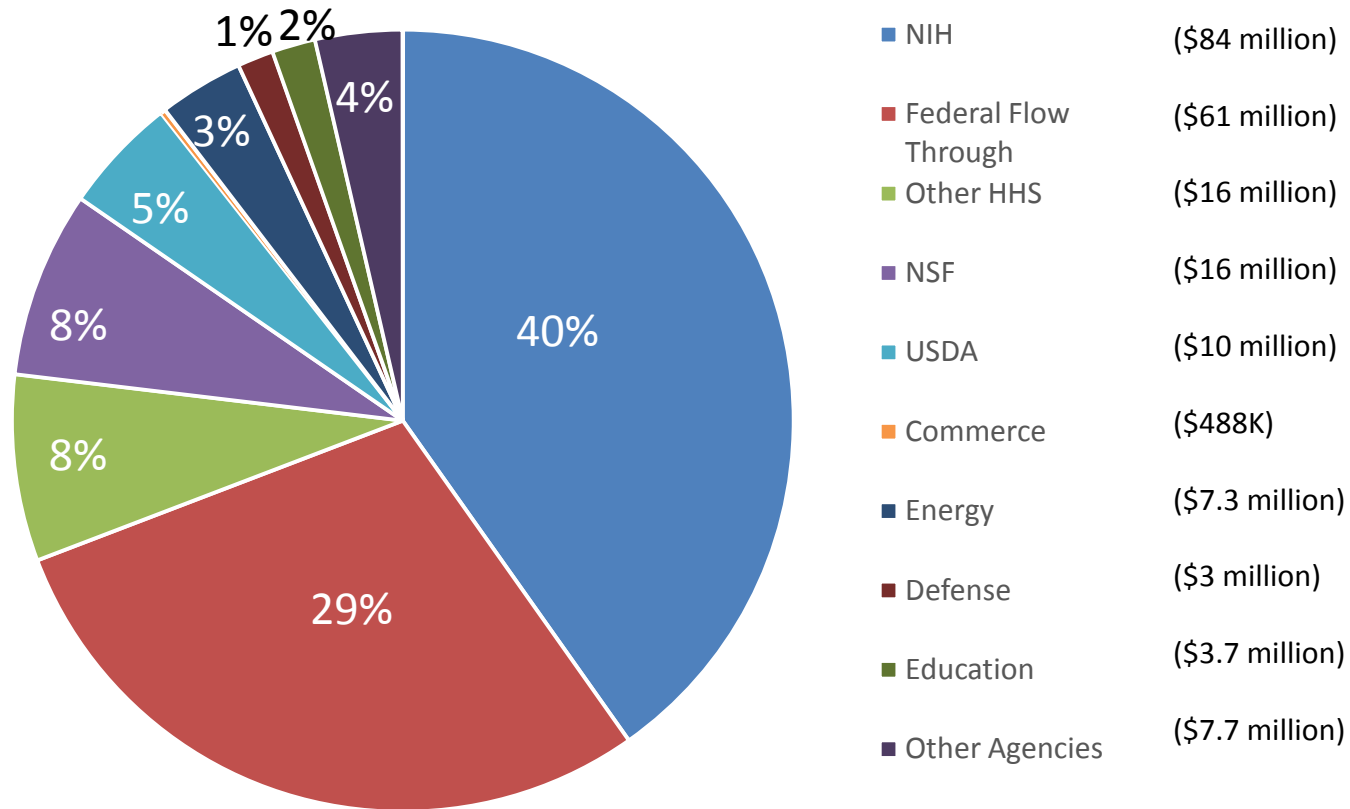
- NIH Rank for Academic Medical Centers: 56 (\$76,455,807) (possible rank of 50 with new grants)
- Higher Education Research and Development Survey (HERD, 2012), based on expenditures:
 - 64 among all institutions
 - 40 among public institutions

Award Data 2010 – May, 2014

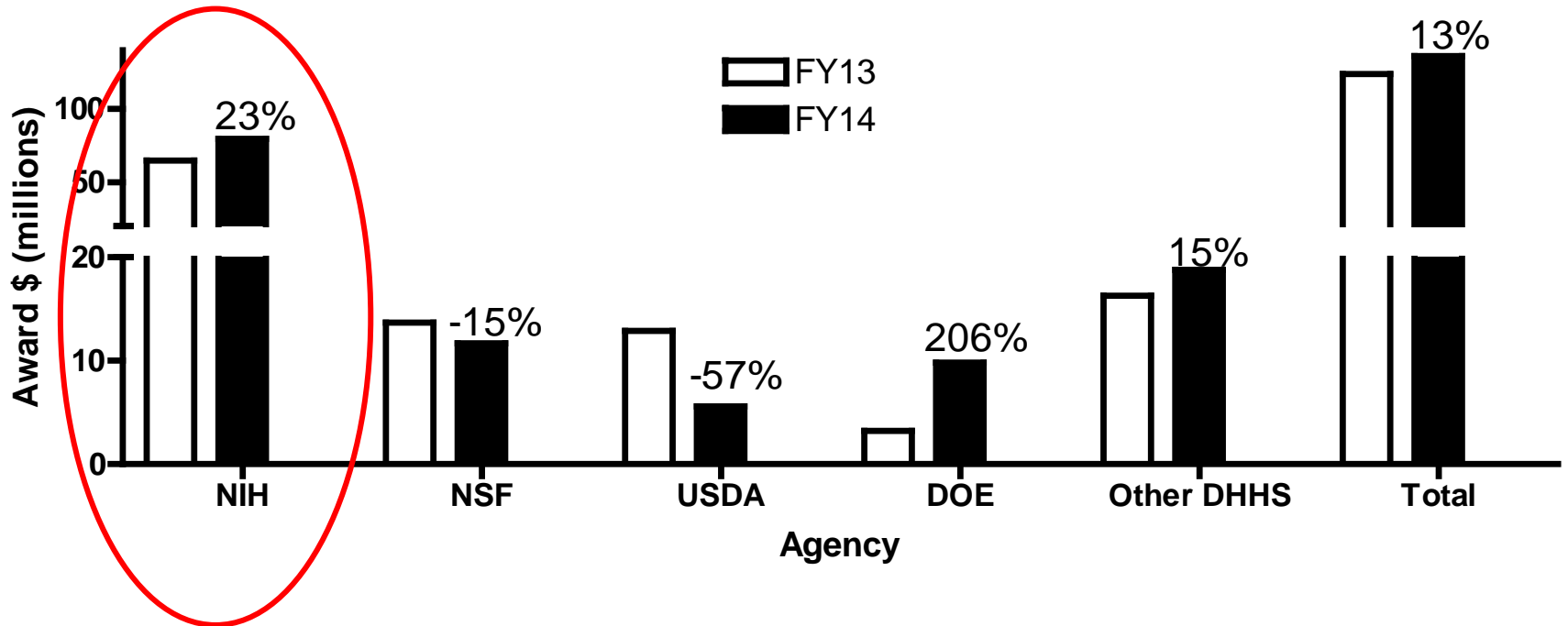


Total awards minus stimulus package grants (ARRA)

UKRF Budget: Breakdown of funding by Federal Agency (FY13)



Selected Agency Awards, FY13-14

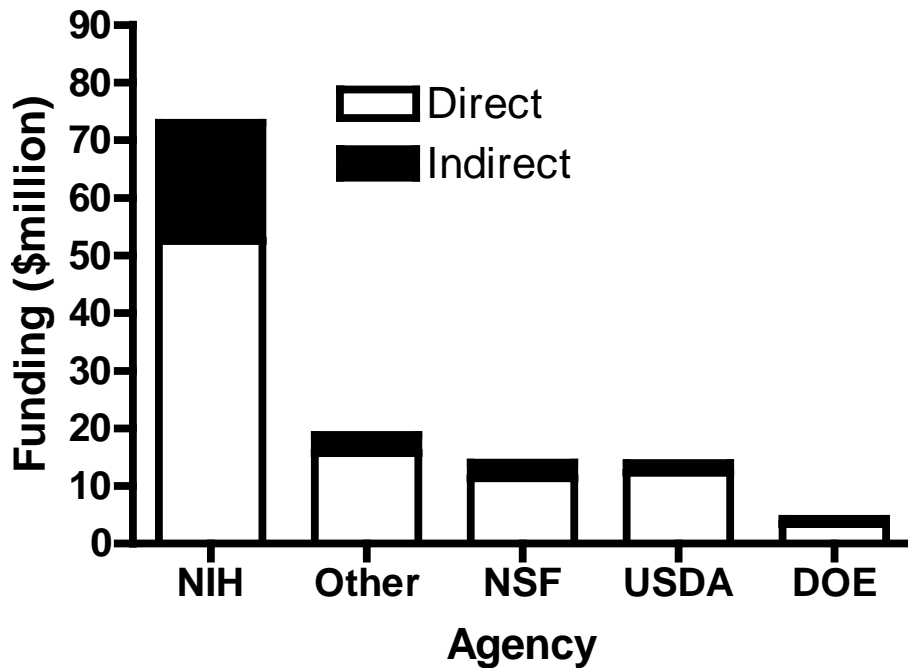


UKRF Budget: Based on F&A Income from Grants and Contracts

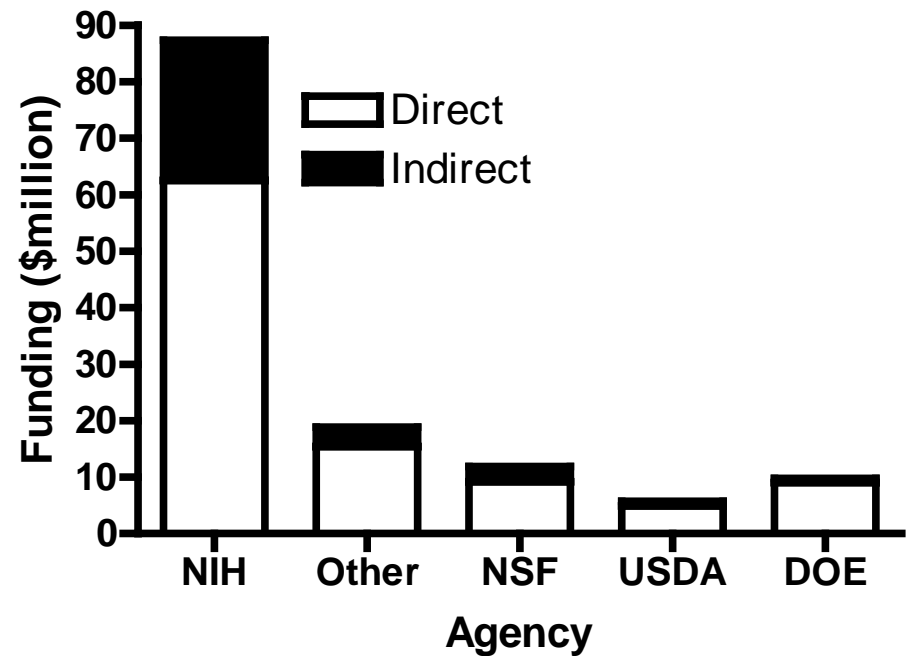
- Finance and Administrative (F&A) Costs from grants and contracts are the major source of income for the UKRF budget
- Research is expensive, F&A income is needed to offset costs of doing research
- What agencies provide the largest source of F&A income?

NIH provides the largest source of F&A income to UK

FY13



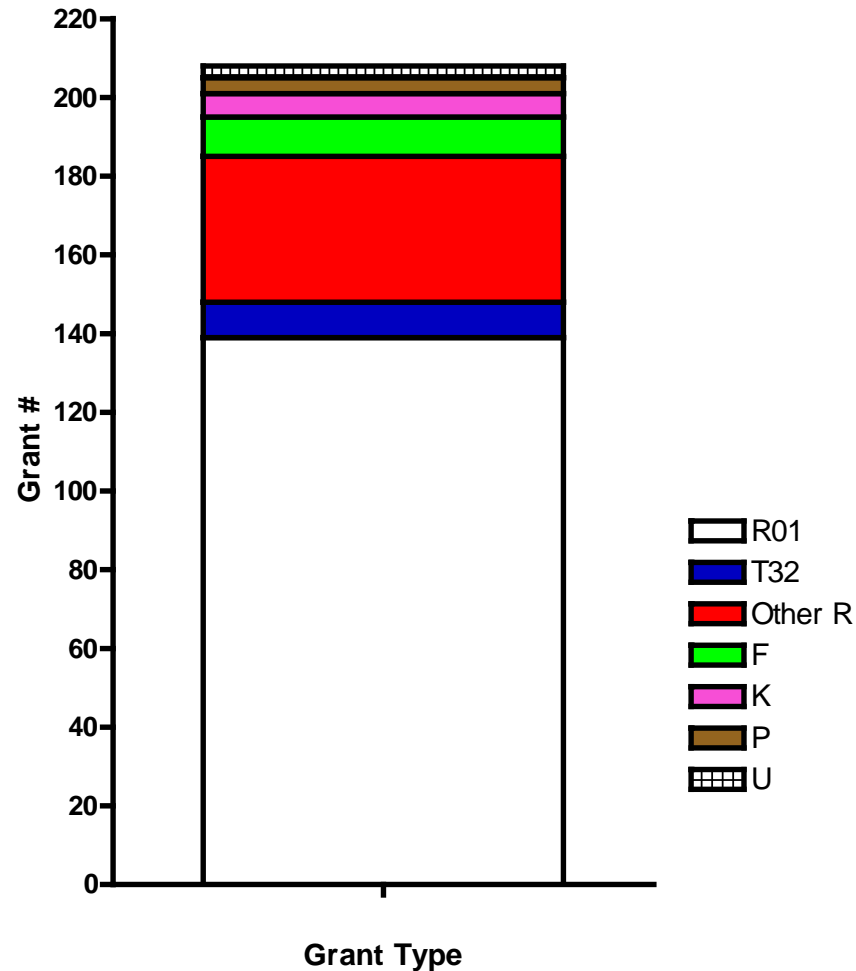
FY14



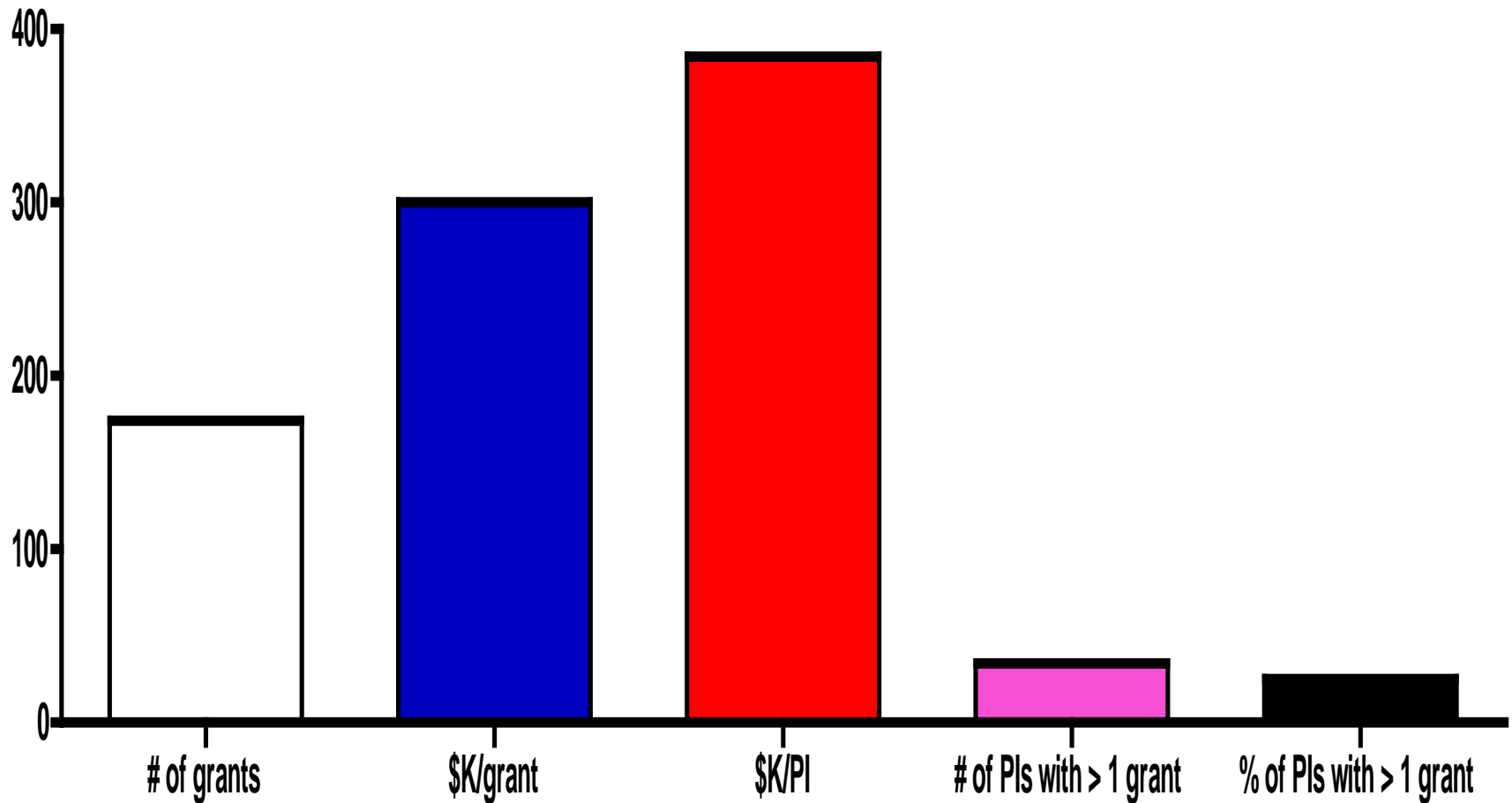
NIH: Reputation of Research

- NIH is the primary funding agency for biomedical research in the US
- NIH performs stringent peer review of all submitted grants
- NIH funding is used to establish rankings of academic medical centers
- How are our investigators competing at the NIH?

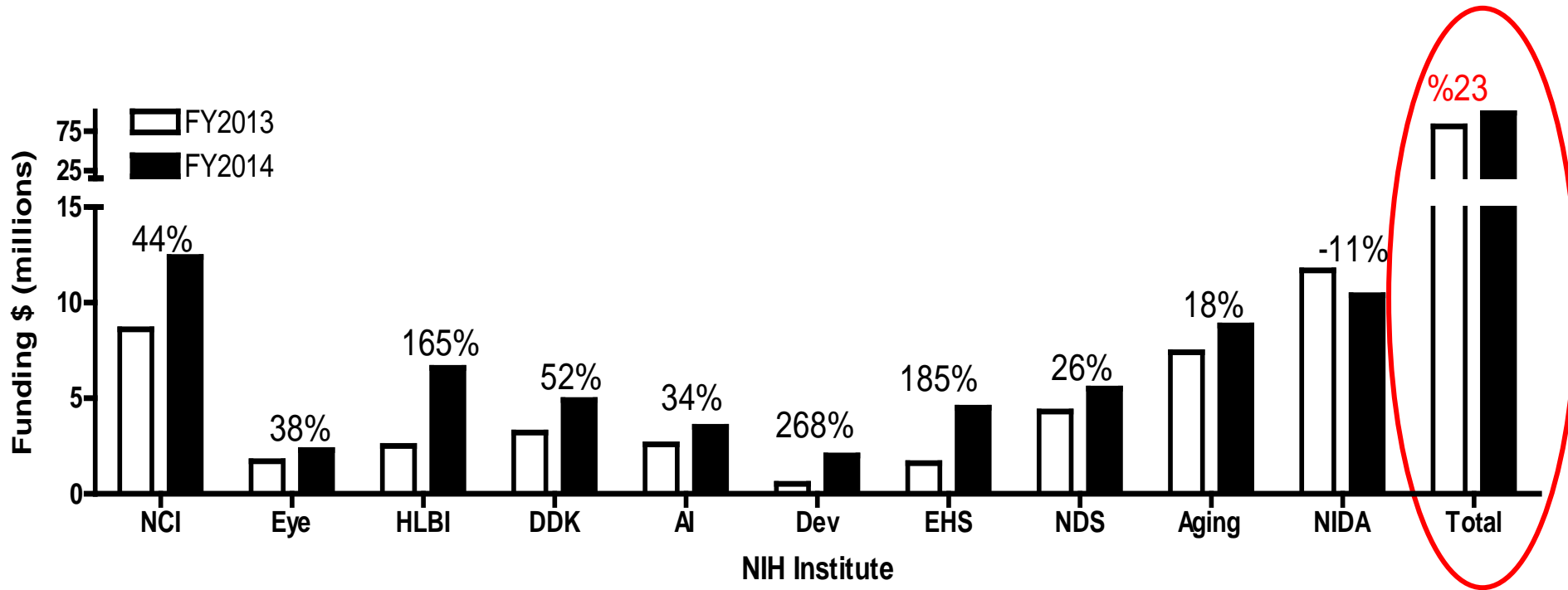
NIH Stats: FY13 for UK investigators



NIH Stats: FY13 for UK investigators

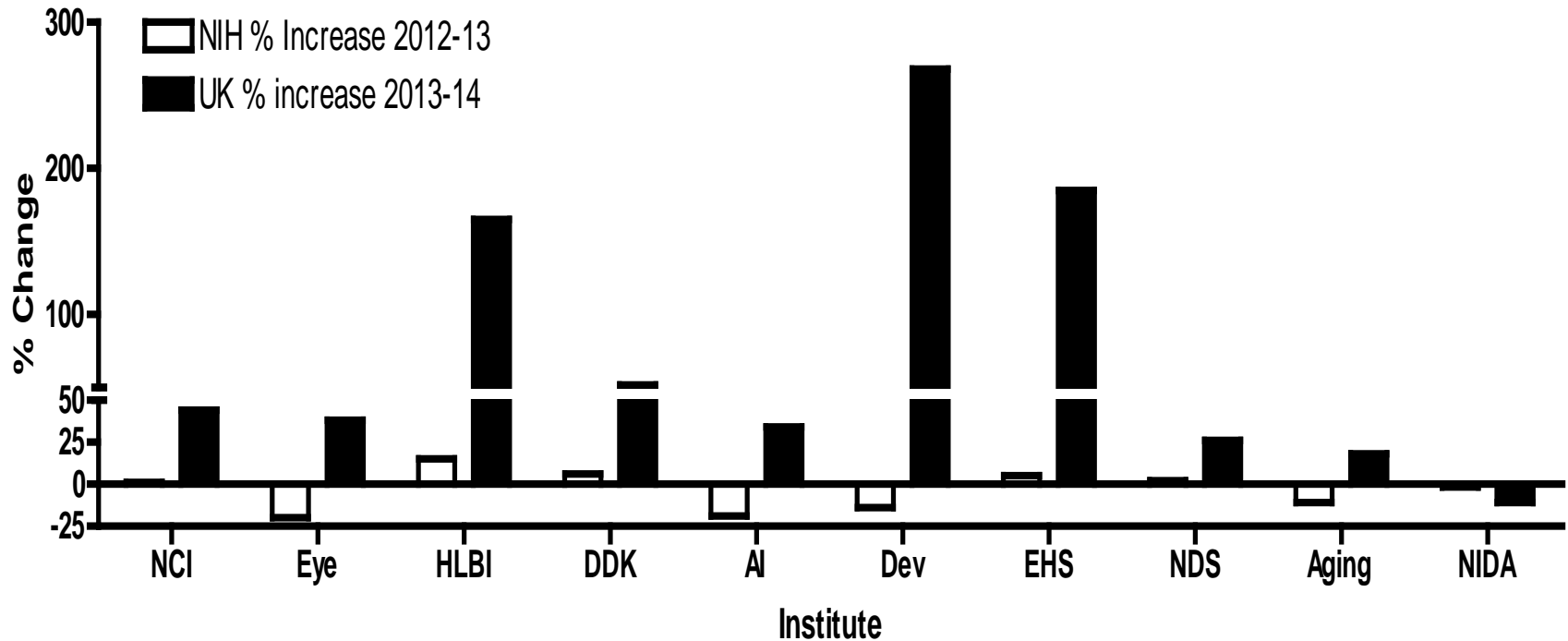


NIH Funding by Institute, July 13 – May 14



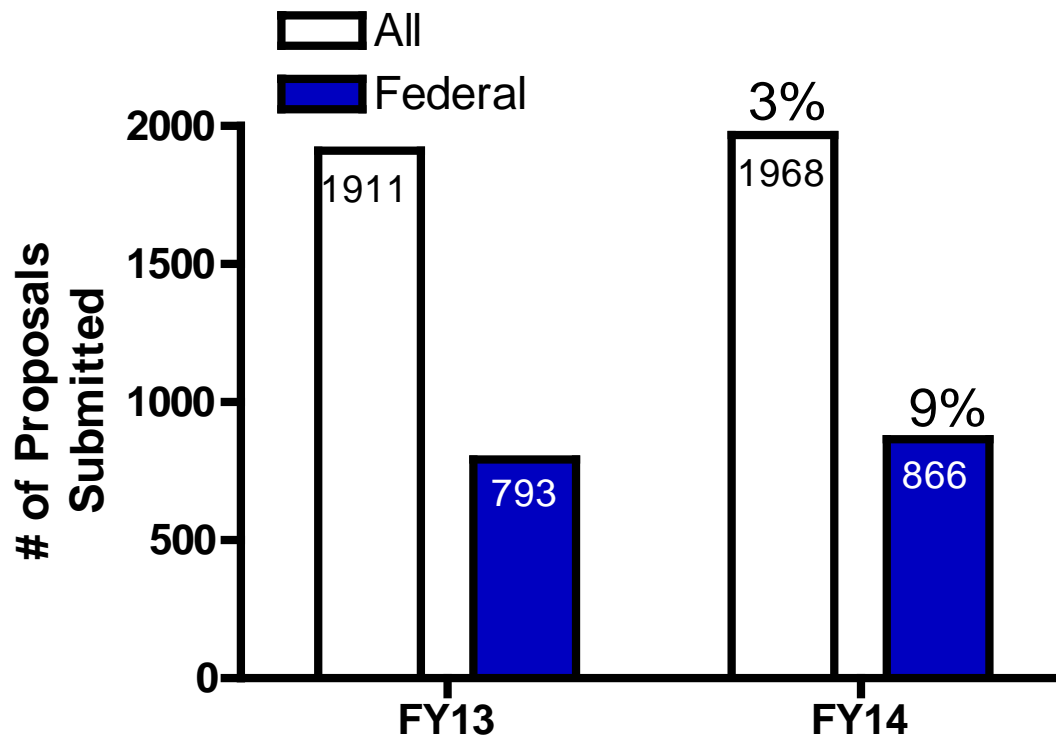
NCI = National Cancer Institute; Eye = National Eye Institute; HLBI = Heart, Lung and Blood Institute; AI= Allergy and Infectious Diseases; Dev = Child Development, EHS = Environmental Health Sciences; NDS = Neurological Disease/Stroke; Aging, NIDA = National Institutes of Drug Abuse

UK is Experiencing Targeted NIH Success



What is Contributing to Success in NIH Funding in Difficult Budget Times?

- Increased proposal submissions



- 73 more proposals submitted from FY13 to 14,
- At the 2013 NIH success rate of 16.8%, this would contribute to 12 new grants funded
- Thus far in 2014, UK's success rate for NIH is 10% (7 more grants)

What is Contributing to Success in NIH Funding in Difficult Budget Times?

- Targeted recruits in areas of strength:
 - Metabolomics group,
 - Key recruits in areas of strength (cardiovascular, ophthalmology, diabetes, energy, engineering)

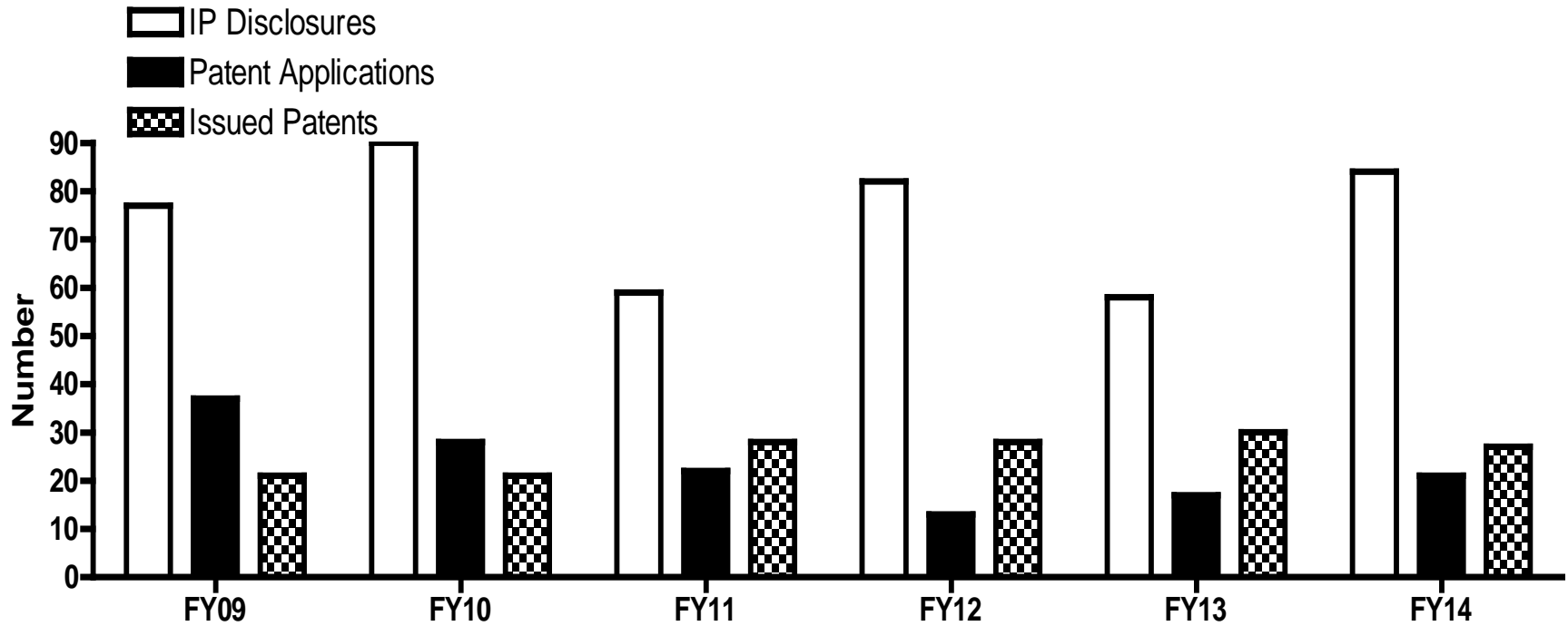
2013 – 2014 Highlights in Grant Funding (NIH and others)

- *New grants of significance:*
 - Howard Hughes Retention of STEM Majors (and retention of diverse students in STEM).
 - U24 (R. Higashi), NIH Metabolomics Resource Core (\$1.9 million/yr)
 - DOE grant (90% carbon dioxide capture rate) (\$2.9 million)
 - USDA grant to study equine arteritis virus (causes foal death) (\$2.9 million)

2013 – 2014 Highlights: Grants

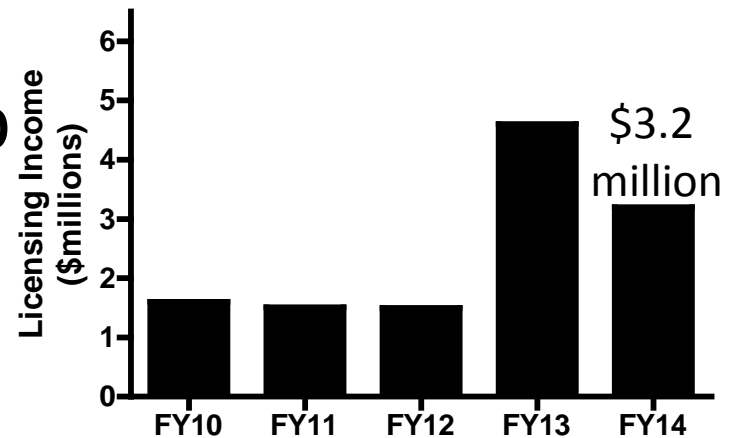
- Renewal of 2 NIH Centers of Biomedical Research Excellence (\$1.5 million, \$750K),
- Renewal of NIEHS Superfund Basic Science Research Program (\$11 million)

Intellectual Property



Licensing Income

1. Ceptaris Therapeutics, Inc, \$1,406,922.
2. Niadyne Inc, \$693,516.
3. New Ace Research Group Inc, \$292,365.
4. ATMI, \$199,550.
5. AntiOp Inc, \$100,000.



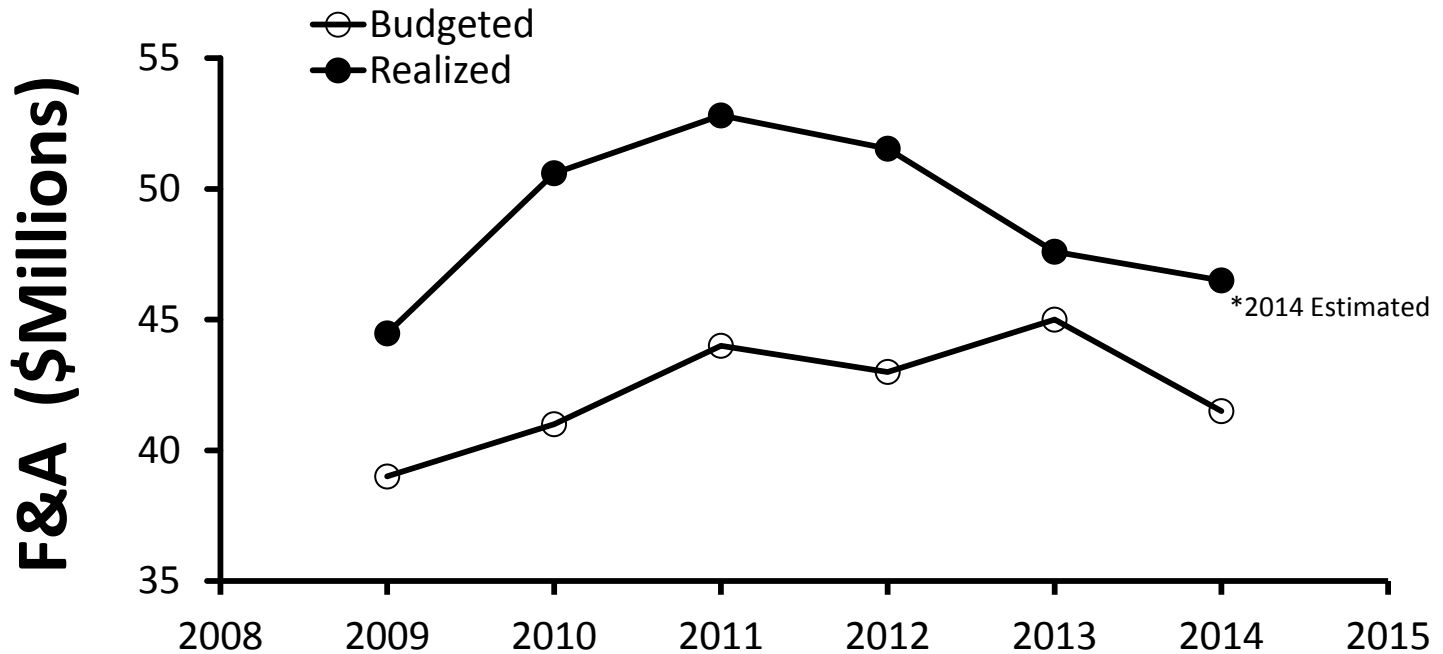
New Major Issues in 2014 Related to Research

- New funding model: President's initiative to return more generated F&A to programs generating it for targeted investments (this is the transition year),
- Uniform Guidance
- Modern open-format research space: modern laboratory research space that promotes collaborations is 100% occupied. Academic science building will increase modern laboratory space, but more quality space is needed to recruit top researchers.

What are our Guiding Principles for use of F&A income?

- F&A income is used for:
 - Targeted faculty recruits to align with existing and emerging areas of concerted research strength, start-up costs associated with those recruits.
 - Support of the research infrastructure:
 - Core research facilities
 - Sponsored projects administration
 - Compliance and regulatory requirements for human and animal research, including attending veterinarians
 - Intellectual property and technology transfer development
 - Research space fit-up

What is the history of our budgeted versus realized F&A income?





Residual Unrestricted Balance

Unrestricted Fund Balance (per UKRF Financial Statement)	\$30,622,151
Estimated Fund Balance Adjustment for 2013/14	<u>\$ 1,500,000</u>
Estimated Fund Balance (6/30/14)	\$32,122,151